

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of claims:

1. (original) A nutritional composition suitable for facilitating bone healing in a mammal, comprising lysine, proline, ascorbic acid, copper, and vitamin B₆.

2. (original) The nutritional composition of claim 1, wherein the nutritional composition contains 27- 34 % wt lysine, 14-15 % wt proline, and 42-47 % wt ascorbic acid.

3. (original) The nutritional composition of claim 1, wherein the nutritional composition provides a daily dosage of

a) 230 mg-10 grams lysine, 120 mg-5 grams proline, 360 mg-15 grams ascorbic acid, 1.5 µg-20 mg copper, and 0.2 mg-20 mg vitamin B₆;

b) 1,010 mg-8 grams lysine, 560 mg-4 grams proline, 1,500 mg-9 grams ascorbic acid, 2 µg-6 mg copper, and 0.5 mg-10 mg vitamin B₆; or

c) 1,010 mg lysine, 560 mg proline, 1,500 mg ascorbic acid, 330 µg copper and 10 mg vitamin B₆.

4. (currently amended) The nutritional composition of claim 1, wherein ~~said~~ the nutritional composition provides a daily dosage per body weight of

a) 3.2-139 mg/kg lysine, 1.7-69. 4 mg/kg proline, 5-208.3 mg/kg ascorbic acid, 0.02-278 µg/kg copper, and 2.78-279 µg/kg vitamin B₆;

b) 14-111 mg/kg lysine, 7.8-55. 6 mg/kg proline, 20.8-125 mg/kg ascorbic acid, 0.03-83.3 µg/kg copper, and 6.94-139 µg/kg vitamin B₆; or

c) 14 mg/kg lysine, 7.8 mg/kg proline, 20.8 mg/kg ascorbic acid, 4.6 µg/kg copper, and 139 µg/kg vitamin B₆.

5.^o(currently amended) The nutritional composition of ~~any one of claims 1 to 4~~ claim 1, wherein the nutritional composition further comprises vitamin A, vitamin D₃, vitamin E, vitamin B₁, vitamin B₂, niacin, folic acid, vitamin B₁₂, biotin, pantothenic acid, calcium, phosphorus, magnesium, zinc, selenium, manganese, chromium, molybdenum, potassium, citrus fruit peel bioflavanoids, arginine, cysteine, inositol, carnitine, coenzyme Q₁₀, and pycnogenol.

6. (original) The nutritional composition of claim 5, wherein the nutritional composition provides a daily dosage of

a) 67 µg-100 mg vitamin A, 0.7 µg-50 µg vitamin D₃, 0.7 µg-50 µg vitamin E, 1.4 mg-8 mg vitamin B₁, 1.4 mg-8 mg vitamin B₂, 9 mg-250 mg niacin, 18 µg-500 µg folic acid, 4 µg-100 µg vitamin B₁₂, 13 µg-400 µg biotin, 8 mg-100 mg pantothenic acid, 7 mg-40 mg calcium, 3 mg-300 mg phosphorus, 40 mg-200 mg magnesium, 0.5 mg-10 mg zinc, 20 µg-300 µg selenium, 0.8 mg-15 mg manganese, 2 µg-200 µg chromium, 0.8 µg-100 µg molybdenum, 4 mg-300 mg potassium, 20 mg-500 mg citrus fruit peel bioflavanoids, 10 mg-500 mg arginine, 10 mg-400 mg cysteine, 5 mg-400 mg inositol, 5 mg-400 mg carnitine, 1.6 mg-70 mg coenzyme Q₁₀, and 1.6 mg-70 mg pycnogenol;

b) 166 µg-50 mg vitamin A, 1.65 µg-20 µg vitamin D₃, 1.65 µg-20 µg vitamin E, 3.5 mg-7 mg vitamin B₁, 3.5 mg-7 mg vitamin B₂, 22.5 mg-100 mg niacin, 45 µg-300 µg folic acid, 10 µg-50 µg vitamin B₁₂, 32 µg-300 µg biotin, 20 mg-60 mg pantothenic acid, 17 mg-35 mg calcium, 7 mg-100 mg phosphorus, 50 mg-100 mg magnesium, 3 mg-8 mg zinc, 30 µg-250 µg selenium, 1 mg-3.25 mg manganese, 2 µg-75 µg chromium, 2 µg-75 µg molybdenum, 8 mg-200 mg potassium, 50 mg-250 mg citrus fruit peel bioflavanoids, 100 mg-300 mg arginine, 80 mg-200 mg cysteine, 80 mg-200 mg inositol, 80 mg-200 mg carnitine, 3 mg-35 mg coenzyme Q₁₀, and 3 mg-35 mg pycnogenol; or

c) 333 µg vitamin A, 3.3 µg vitamin D₃, 3.3 µg vitamin E, 7 mg vitamin B₁, 7 mg vitamin B₂, 45 mg niacin, 90 µg folic acid, 20 µg vitamin B₁₂, 65 µg biotin, 40 mg pantothenic acid, 35 mg calcium, 15 mg phosphorus, 40 mg magnesium, 7 mg zinc, 20 µg selenium, 1.3 mg manganese, 10 µg chromium, 4 µg molybdenum, 20 mg potassium, 100 mg citrus fruit peel bioflavanoids, 40 mg arginine, 35 mg cysteine, 35 mg inositol, 35 mg carnitine, 7 mg coenzyme Q₁₀, and 7 mg pycnogenol.

7. (currently amended) The nutritional composition of claim 5, wherein said composition further comprises the following components in a the following daily dosage per body weight of

a) 0.9-1,390 µg/kg vitamin A, 0.01-0.694 µg/kg vitamin D₃, 0.01-0.694 µg/kg vitamin E, 19.4-111 µg/kg vitamin B₁, 19.4-111 µg/kg vitamin B₂, 125-3,472 µg/kg niacin, 0.25-6.94 µg/kg folic acid, 0.05-1.39 µg/kg vitamin B₁₂, 0.181-5.56 µg/kg biotin, 111-1,390 µg/kg pantothenic acid, 97.2-555 µg/kg calcium, 42-4,167 µg/kg phosphorus, 555-2,778 µg/kg magnesium, 6.9-139 µg/kg zinc, 0.28-4.17 µg/kg selenium, 11.1-208.3 µg/kg manganese, 0.03-2.78 µg/kg chromium, 0.01-1.39 µg/kg molybdenum, 55.6-4,167 µg/kg potassium, 278-6,944 µg/kg citrus fruit peel bioflavanoids, 139-6,944 µg/kg arginine, 135-5,555 µg/kg cysteine, 69-5,555 µg/kg inositol, 69-5,555 µg/kg carnitine, 22.2-972 µg/kg coenzyme Q₁₀, and 22.2-972 µg/kg pycnogenol;

b) 2.31-694 µg/kg vitamin A, 0.023-0.278 µg/kg vitamin D₃, 0.023-0.278 µg/kg vitamin E, 48.6-97.2 µg/kg vitamin B₁, 48.6-97.2 µg/kg vitamin B₂, 312.5-3,190 µg/kg niacin, 0.6-4.17 µg/kg folic acid, 0.14-0.69 µg/kg vitamin B₁₂, 0.444-4.17 µg/kg biotin, 278-833 µg/kg pantothenic acid, 236-903 µg/kg calcium, 97.2-1,390 µg/kg phosphorus, 694-1,390 µg/kg magnesium, 41.7-111 µg/kg zinc, 0.42-3.47 µg/kg selenium, 13.9-45.1 µg/kg manganese, 0.07-2.78 µg/kg chromium, 0.03-1.04 µg/kg molybdenum, 111.1-2,778 µg/kg potassium, 694-3,472 µg/kg citrus fruit peel bioflavanoids, 1,389-4,167 µg/kg arginine, 1,111-2,778 µg/kg cysteine, 1,111-2,778 µg/kg inositol, 1,111-2,778 µg/kg carnitine, 41.7-486 µg/kg coenzyme Q₁₀, and 41.7-486 µg/kg pycnogenol; or

c) 4.06 µg/kg vitamin A, 0.046 µg/kg vitamin D₃, 0.046 µg/kg vitamin E, 97.2 µg/kg vitamin B₁, 97.2 µg/kg vitamin B₂, 625 µg/kg niacin, 1.25 µg/kg folic acid, 0.27 µg/kg vitamin B₁₂, 0.9 µg/kg biotin, 555 µg/kg pantothenic acid, 486 µg/kg calcium, 208 µg/kg phosphorus, 555 µg/kg magnesium, 97.2 µg/kg zinc, 0.78 µg/kg selenium, 18.1 µg/kg manganese, 0.14 µg/kg chromium, 0.06 µg/kg molybdenum, 277.8 µg/kg potassium, 1,389 µg/kg citrus fruit peel bioflavanoids, 555 µg/kg arginine, 486 µg/kg cysteine, 486 µg/kg inositol, 486 µg/kg carnitine, 97.2 µg/kg coenzyme Q₁₀, and 97.2 µg/kg pycnogenol.

8. (currently amended) The nutritional composition of ~~any one of claims 1 to 7~~ claim 1, wherein the mammal is a human.

9. (currently amended) A pharmaceutical composition comprising the nutritional composition of ~~any one of claims 1 to 8~~ claim 1.

10. (currently amended) A method of facilitating bone healing in a mammal comprising administering to the mammal Use of the nutritional pharmaceutical composition of claim 9 ~~any one of claims 1 to 8 for the preparation of a pharmaceutical composition for facilitating bone healing in a mammal.~~

11. (currently amended) The method ~~use~~ of claim 10, wherein the said mammal is a human.

12. (currently amended) The method ~~use~~ of claim 10 ~~or 11~~, wherein ~~said~~ the pharmaceutical composition is ~~to be~~ administered orally, intravenously or parenterally.